Amendments to the Claims:

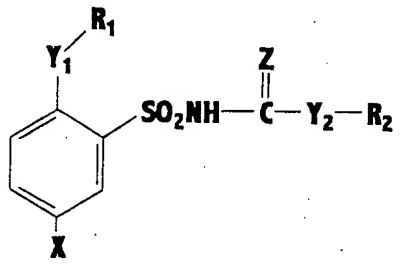
The listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

Claim 1—22 (cancelled)

Claim 23 (currently amended): Benzene-sulphonamide ~~derivatives~~ compounds having the formula (I):

(I)



in which:

X represents a nitro, cyano, or halogen group;

Y_1 represents a secondary or tertiary amino group, or a sulphur;

Y_2 represents a NH group, or a nitrogen atom ~~in a saturated or unsaturated heterocyclic group having 5 to 7 ring members~~;

Z represents oxygen, sulphur, ~~N-CN or CH-NO2~~ = N – CN or = CH – NO_2; and

R_1 and R_2, which can be identical or different, represent each independently a saturated or unsaturated ~~radio-labeled~~ linear or branched alkyl group with 2 to 12 carbon atoms, a saturated or unsaturated ~~radio-labeled~~ alicyclic group with 3 to 12 carbon atoms, an aryl group optionally substituted ~~or not~~ by one or several alkyl groups ~~in C_1—C_4~~ with 1 to 4 carbon atoms, nitro, cyano, trifluoromethyl, carboxy and halogen groups, or an arylalkyl group

or ~~R_1 and Y_1, and/or, R_2 and Y_2 form a saturated or unsaturated heterocyclic group having 5 to 7 ring members of which at least one is oxygen or nitrogen~~ Y_1 represents a

tertiary amino group and forms with R_1 a morpholinyl or homopiperidinyl group, and Y_2 represents a nitrogen atom and forms with R_2 a homopiperidinyl group

with the exception of compounds for which X is a nitro group, Y_1 represents a secondary amino group (-NH-), Y_2 represents a NH group, Z represents an oxygen, R_2 represents an isopropyl and R_1 ~~represents an element~~ is selected from a group consisting of m-toluyl, phenyl and ~~cyclootyl~~ cyclooctyl, and with the exception of N-[(2-~~cyclootylamino~~cyclooctylamino-5-cyanobenzene)sulfonyl] N'-isopropyl urea.

Claim 24 (currently amended): The ~~derivative~~ compound according to claim 23, characterized in that X is ~~an element~~ selected from a group consisting of nitro, cyano, bromo and iodine group.

Claim 25 (currently amended): The ~~derivative~~ compound according to claim 23, characterized in that Y_1 represents a NH group and Y_2 represents a NH group ~~or an oxygen atom~~.

Claim 26 (currently amended): The ~~derivative~~ compound according to claim 23, characterized in that R_1 and R_2 represent each independently an ethyl, butyl, tert-butyl, propyl, isopropyl, pentyl, hexyl, heptyl, octyl, decyl, amyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, cycloheptyl, cyclooctyl, cyclododecyl, 2-cyclohexenyl, m-toluyl, o-toluyl, p-toluyl, phenyl, allyl, ~~adamantly~~ adamantyl, norbornyl, 3-carboxyphenyl, 2,3-dimehtylphenyl, 2,4-dimethylphenyl, 2,5-dimethylphenyl, 2,6-dimethylphenyl, 3,4-dimethylphenyl, 3,5-dimethylphenyl, 2,4,6-trimethylphenyl, furfuryl, benzyl or 1-phenylethyl group.

Claims 27 – 28 (cancelled)

Claim 29 (currently amended): The ~~derivative~~ compound according to claim 23, characterized in that it is ~~constituted by~~ a salt selected from a group consisting of sodium salts, the potassium salts or organic acid salts.

Claim 30 (currently amended): The ~~derivative~~ compound according to claim 29, characterized in that it is chosen in a group having:

N-[(2-cyclohexylamino-5-nitrobenzene)sulfonyl]N'-tert-butyl urea,

N-cyano-N'-[(2-~~cyclohexylamino~~ metatoluylamino-5-nitrobenzene)sulfonyl]homopiperidinoamidine,

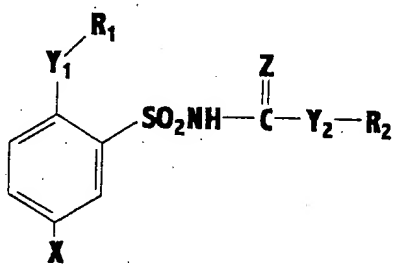
N-[(2-~~cyclohexylamino~~ cycloheptylamino-5-nitrobenzene)sulfonyl]N'-cyclohexyl thiourea, and

N-[(2-cyclohexen-2-yl-5-iodobenzene)sulfonyl]N'-pentyl urea.

Claims 31 – 33 (cancelled)

Claim 34 (currently amended): Benzene-sulphonamide ~~derivatives~~ compounds having the formula (I):

(I)



in which:

X represents a nitro, cyano, or radio-labeled halogen group;

Y_1 represents a secondary or tertiary amino group, or a sulphur;

Y_2 represents a NH group, or a nitrogen atom ~~in a saturated or unsaturated heterocyclic group having 5 to 7 ring members~~;

Z represents oxygen, sulphur, ~~N-CN or CH-NO2~~ = N – CN or = CH – NO_2; and

R_1 and R_2, which can be identical or different, represent each independently a saturated or unsaturated radio-labeled linear or branched alkyl group with 2 to 12 carbon atoms, a saturated or unsaturated radio-labeled alicyclic group with 3 to 12 carbon atoms, an aryl group optionally substituted ~~or not~~ by one or several alkyl groups ~~in C_1—C_4~~ with 1 to 4 carbon atoms, nitro, cyano, trifluoromethyl, carboxy and halogen groups, or an arylalkyl group

or ~~R_1 and Y_1, and/or, R_2 and Y_2 form a saturated or unsaturated heterocyclic group having 5 to 7 ring members of which at least one is oxygen or nitrogen~~ Y_1 represents a tertiary amino group and forms with R_1 a morpholinyl or homopiperidinyl group, and Y_2 represents a nitrogen atom and forms with R_2 a homopiperidinyl group

with the exception of compounds for which X is a nitro group, Y_1 represents a secondary amino group (-NH-), Y_2 represents a NH group, Z represents an oxygen, R_2 represents an isopropyl and R_1 ~~represents an element~~ is selected from a group consisting of m-toluyl, phenyl and ~~cyclootyl~~ cyclooctyl, and with the exception of N-[(2-~~cyclootylamino~~ cyclooctylamino-5-cyanobenzene)sulfonyl] N′-isopropyl urea.

Claim 35 (currently amended): The ~~derivative~~ compound according to claim 34, characterized in that X is ~~an element~~ selected from a group consisting of nitro, cyano, bromo and iodine group.

Claim 36 (currently amended): The ~~derivative~~ compound according to claim 34, characterized in that Y_1 represents a NH group and Y_2 represents a NH group~~ or an oxygen atom~~.

Claim 37 (currently amended): The ~~derivative~~ compound according to claim 34, characterized in that R_1 and R_2 represent each independently an ethyl, butyl, tert-butyl, propyl, isopropyl, pentyl, hexyl, heptyl, octyl, decyl, amyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, cycloheptyl, cyclooctyl, cyclododecyl, 2-cyclohexenyl, m-toluyl, o-toluyl, p-toluyl, phenyl, allyl, ~~adamantly~~ adamantyl, norbornyl, 3-carboxyphenyl, 2,3-dimehtylphenyl, 2,4-dimethylphenyl, 2,5-dimethylphenyl, 2,6-dimethylphenyl, 3,4-dimethylphenyl, 3,5-dimethylphenyl, 2,4,6-trimethylphenyl, furfuryl, benzyl or 1-phenylethyl group.

Claims 38 – 39 (cancelled)

Claim 40 (currently amended): The ~~derivative~~ compound according to claim 34, characterized in that it is ~~constituted by~~ a salt selected from a group consisting of sodium salts, the potassium salts or organic acid salts.

Claim 41 (currently amended): The ~~derivative~~ compound according to claim 40, characterized in that it is chosen in a group having:
N-[(2-cyclohexylamino-5-nitrobenzene)sulfonyl]N'-tert-butyl urea,
N-cyano-N'-[(2-~~cyclohexylamino~~ metatoluylamino-5-nitrobenzene)sulfonyl]homopiperidinoamidine,
N-[(2-~~cyclohexylamino~~ cycloheptylamino-5-nitrobenzene)sulfonyl]N'-cyclohexyl thiourea, and
N-[(2-cyclohexen-2-yl-5-iodobenzene)sulfonyl]N'-pentyl urea.

Claims 42 – 44 (cancelled)